Chapter 2 Test Review

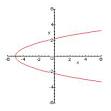
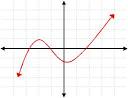
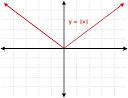
Name:

Date:

Simplify each expression. Write your answer with positive exponents only.

1. 
2. 
3. 
4. 
5. 

State whether each relation represents a function.

1.  7.  8. 

9.  10.  11. 

State the domain and range of each function.

12.  13. 14. 

Use,  and  to find the following:

15. f+g= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 16. f-g=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. g-f=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 18. fg=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find and .

19.  and \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_

20. and  \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

Find the inverse of each function. State whether the inverse is a function.

21. 

22. 

For each function, find the equation for the inverse. 

23. 

24. 

25. 